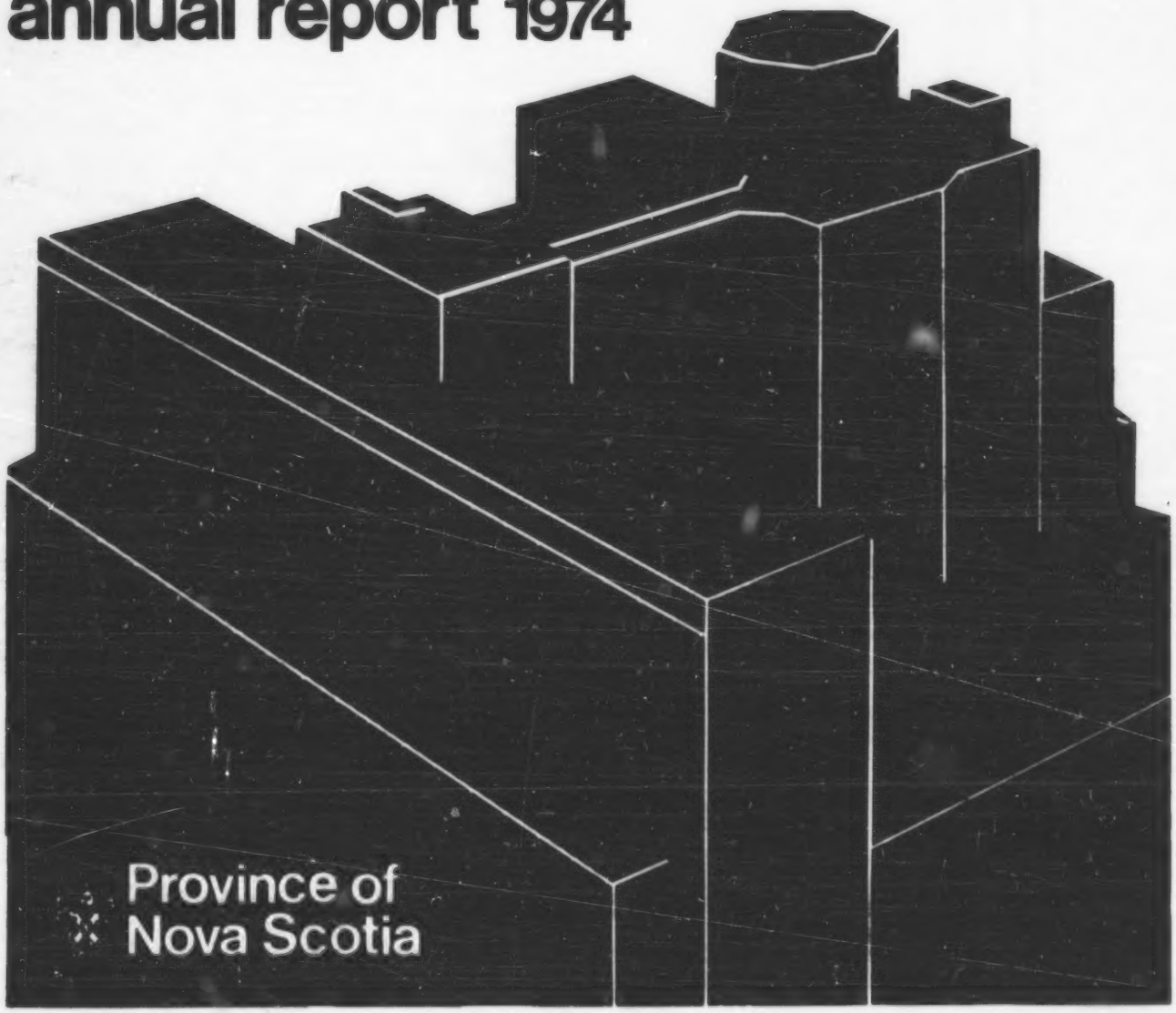
NovaS
Hospital (Victoria)

VICTORIA GENERAL HOSPITAL

annual report 1974



Province of
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VICTORIA GENERAL HOSPITAL
Annual Report, 1974

ERRATA - Please attach the following publications and presentations for the Depts. of Surgery and Otolaryngology which were omitted from the original publications section.

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PUBLICATIONS

Department of Surgery

Kinley, C.E., Marble, A.E., MacDonald, A.S. and Masland, V.L. - Correlation between haemodynamic changes and the presence, size and site of myocardial infarction. Cdn. J. Surg. 18:225, 1975.

Lenco, Wm., McKnight, M., MacDonald, A.S. - Effects of cortisone acetate, Methylprednisolone and Medroxyprogesterone on wound contracture and epithelization in rabbits. Annals of Surgery, 181:67, 1975.

Kinley, C.E., Paasche, P.E., MacDonald, A.S., and Marble, A.E. - Stress at vascular anastomosis in relation to host artery: synthetic graft diameter. Surgery, 1974, 75:1.

Ghose, T., Guclu, A., Norvell, S.T., MacDonald, A.S., Aquino, J. - Antibody-directed chemo-and radiotherapy of cancer. Biochem J., 1974.

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MacDonald, A.S., Ghose, T., Guclu, A., Nonamaker, E.P. Aquino, J. - Localization and treatment of lung cancer by specific heterologous anti-tumor antibody coupled to 1131, 1974. Proc. Roy. Coll. Phys. and Surg. 7 (Abst.)

MacDonald, A.S., Bethune, G.W., Steele, B.J. Charman, J.H., and Graham, C.H. - A pilot study on the use of B.C.G. in the treatment of advanced malignancies. Proc. Roy. Coll. Phys. and Surg., 1974:7 (Abst)

Ghose, T., Guclu, A., Norvell, S.T., MacDonald, A.S., and Aquino, J. - Immunochemotherapy and immunoradiotherapy of Cancer. 11th International Cancer Congress, Florence, 1974, Pg. 739-740.

Ghose, T., Guclu, A., Norvell, S.T., MacDonald, A.S. and Aquino, J. - Antibody as carrier of 1131. Cancer, 1975 (in the press)

Bodurtha, A., Kim, Y.H., Laucius, J.F., Donato, R.A., and Mastrangelo, J.J.: - Hepatic Granuloma and Other Hepatic Lesions Associated with BCG Immunotherapy for Cancer. Am. J. Clinical Pathology, 61:747-752, 1974.

Chee, D.O., and Bodurtha, A.J.: - Facilitation and Inhibition of B16 Melanoma by BCG in Vivo and by Lymphoid Cells from BCG Treated Mice in Vitro. Int. J. Cancer, 14:137-141, 1974.

Laucius, J.F., Bodurtha, A.J., Berkelhammer, J., Prehn, L.M., Prehn, R.T. and Mastrangelo, M.J.: - Intradermal Injection of Autochthonous Irradiated Tumor Cells Plus BCG in the Treatment of Metastatic Malignant Melanoma. Proc. Am. Soc. Clinical Oncologists 15:171, 1974.

Laucius, J.F., Bodurtha, A.J., Mastrangelo, M.J., Creech, R.H.: - Bacillus Calmette Guerin in the Treatment of Neoplastic Disease, Journal of Reticulo-Endothelial Society, 16:347-373, 1974

Bodurtha, A., Chee, D.O., Laucius, J.F., Mastrangelo, M.J., and Prehn, R.T.: - Clinical and Immunological Significance of Human Melanoma Cytotoxic Antibody. Cancer Research, 35:189-193, 1975.

Marble, A.E., Winter, D.A., and Gozna, E.R.: - Measurement and modelling of arterial distensibility and taper. Proc. of the 7th Internat. Instrument. Soc. Amer. Symposium, Denver, Colorado, 4 - 6 May, 1970.

Marble, A.E., MacDonald, A.S., Holland, J.G., and Miller, C.H.: - Aortic wall thickness - radius ratio in living dogs. Proc. of the 3rd Canad. Med. and Biol. Engineering Conf., Halifax, N.S. Sept. 1970, p.1.

Kinley, C.E.: - Tracheostomy and Aftercare in the Adult. International Anesthesiology Clinics. 8:859, 1970.

Kinley, C.E., Marble, A.E., and Saunders, R.L.: - Assessment of myocardial infarction by complementary models. Proc. of the 24th Conf. on Engineering in Med. and Biol., Las Vegas, Nevada, Oct., 1971: Alliance for Eng. in Med. and Biol.: Abstr. 1.5, p.5.

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Gozna, E.R., Dolan, F.G., Mason, W., and Marble, A.E.: - Distensibility: A design parameter in arterial grafts. Ibid., abstract 16.3, p. 124.

Kinley, C.E., and Saunders, R.L.: - Microangiography in Experimental Myocardial Infarction. Canad. J. Surg. 14:54, 1971.

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Gozna, E.R., Marble, A.E., Holland, J.G., and Shaw, A.: - Effects of age on aortic and pulmonary mechanics. Ibid., vol. 4, abstr. EXIXB1/4, p. 178.

Paasche, P.E., Kinley, C.E., Dolan, F.G., Gozna, E.R., and Marble, A.E.: - Consideration of suture lines stresses in the selection of synthetic grafts for implanation. Proc. of the 4th Canad. Med. and Biol. Engineering Conf., Winnipeg, 7 - 9 Sept., 1972, p. 16.

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Marble, A.E.: - The measurement of Blood Flow, read before the Nova Scotia Institute of Science, Jan. 7, 1973.

Marble, A.E., MacDonald, A.S., Holland, J.G., Hilliard, W.G., Miller, C.H., and Winter, D.A.: - Measurement of aortic wall thickness in living dogs. Med. Biol. Engin., 11:39, 1973.

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Gozna, E.R., Marble, A.E., Shaw, A., and Holland, J.G.: - Age related changes in the mechanics of the Aorta and Pulmonary Artery in Man. J. Appl. Physiol. 36:407, 1974.

Gozna, E.R., Marble, A.E., Mason, W.F., and Dolan, F.G.: - The necessity for Elastic Properties in Synthetic Arterial Grafts. Canad. J. Surg. 17:176, 1974.

Navi, F., and Marble, A.E.: The Design of Electromagnetic Flow-meter probes with homogeneous luminal magnetic fields. Submitted to IEEE Transactions on Biomedical Engineering, August, 1974.

Kinley, C.E., Paasche, P.E., MacDonald, A.S., and Marble, A.E.: - Stress at Vascular Anastomosis in relation to host artery: Synthetic graft diameter. Surgery 75:28, 1974.

Paasche, P.E., Kinley, C.E., MacDonald, A.S., and Marble, A.E.,: Experimental Stress Analysis of Graft: Host Artery Anastomosis. 10th International Conference on Medical and Biological Engineering, Dresden, G.D.R., August, 1973, p. 66.

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Mader, D.J., Marble, A.E., and Reeves, J.L.: - An Inexpensive Variable Time Period Integrator for Electromyographic Signals. Behavior Research Methods and Instrumentation. 6:411, 1974.

Kinley, C.E.: - Recreation: A new Aspect of Preventive Medicine. The N.S. Medical Bulletin. Vol. 53, No. 1 February, 1974.

Kinley, C.E., Paasche, P.E., MacDonald, A.S., Marble, A.E., and Gozna, E.R.: - Stress at Vascular Anastomosis in Relation to Host Artery: Synthetic Graft Diameter. Canad. J. Surgery. 17:2, 1974.

Marble, A.E., Kinley, C.E., MacDonald, A.S., and Masland, V.L.: - A study of the Correlation between Hemodynamic changes and the presence, size, and site of myocardial infarction. Canad. J. Surg., 18:225, 1975.

Marble, A.E., and Kinley, C.E.: - Assessment and Follow-up of the Aorto-coronary Bypass Operation. Accepted for publication by the Nova Scotia Medical Bulletin, March, 1975.

Marble, A.E., and Whitman, J.:-The Design of a Derivative Computer for Cardiovascular Variables. Submitted to Medical and Biological Engineering, Jan., 1975.

Gozna, E.R., and A.E. Marble: - Current Concepts regarding Optimal Design Parameters and Performance of Arterial Grafts. Chapter (by invitation) in a forthcoming book entitled Biomechanics to be published in 1975 by M. Dekker of New York.

Marble, A.E., Whitman, J., and Kinley, C.E.: - The Design and Development of a Contractility Meter. Submitted to the 28th Annual Conference on Engineering in Medicine and Biology to be held in New Orleans, Louisiana, Sept. 20 - 24, 1975.

Paasche, P.E., Cochkanoff, O., MacDonald, A.S., and Marble, A.E.: - Axial Stress near Host Artery: Synthetic Graft Anastomis. Submitted to 5th International Biophysics Congress to be held in Copenhagen, Aug. 4 - 9, 1975.

Marble, A.E., and Whitman, J.: - Some Apparent Misconceptions in the Design of Derivative Computers for Cardiovascular Signals. Submitted to the International Electrical and Electronics Conference and Exposition to be held in Toronto, Sept. 29 - Oct. 1, 1975.

Marble, A.E., Kinley, C.E., and MacDonald, A.S.:-On-line Monitoring of Cardiac Energetics. Submitted to the International Conference on Biomedical Transducers to be held in Paris, 3 - 7 Nov., 1975.

PRESENTATIONS BY STAFF 1974

Department of Surgery

J.A. Myrden, M.D., - Presented a paper at the Royal College Meeting in Montreal, January 26, 1974 "Breast Carcinoma Following Multiple Fluoroscopies"

S.T. Norvell, M.D., - Presented a paper at the Canadian Association of Clinical Surgeons Meeting in London, Ontario, March 30, 1974.
"The Case for Prophylactic Node Dissection in Malignant Melanoma"

D. Petrie, M.D., - Presented a paper at the Canadian Orthopaedic Association Meeting in St. John's, June, 1974 "Compression Arthrodesis of Wrist"

H.O. Nason, M.D., - Presented two papers at Royal College Meeting in Winnipeg, January 21st, 1975
"Early Correction of Ambiguous Genitalia"
"Portacaval Diversion for Glycogen Storage Disease"

J. Ross, M.D., - Presented six papers on Metabolic Response and was a panelist for four sessions at the World Congress on Burn Injuries September, 1974. Buenos Aires.

PRESENTATIONS BY STAFF 1974

Department of Otolaryngology

In May Doctor Novotny presented a paper in Toronto on "Gustatory Sweating and Related Syndromes" to the annual meeting of the Canadian Otolaryngological Society.

Doctor M.N. Wali participated in a Seminar on Sports Medicine in September. He also published a paper on "Secretory Otitis Media" in the N. S. Medical Bulletin, Vol. 53, Nov. 4 in August 1974.

VICTORIA GENERAL HOSPITAL

annual report 1974

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The Honourable William MacEachern

William G. McNeil

TO:

The Honourable Clarence Lloyd Gosse
M.D., C.M., F.R.C.S.
Lieutenant Governor of Nova Scotia

May It Please Your Honour:

I beg to present herewith the annual report of the Victoria General Hospital for the year ended December 31, 1974.

Your Obedient Servant,

William MacEachern
Minister of Public Health

TO:

The Honourable William MacEachern
Minister of Public Health
Province of Nova Scotia

Sir:

On behalf of the Board of Commissioners, it is my pleasure to submit to you the 108th Annual Report of the Victoria General Hospital covering the period January 1 to December 31, 1974.

Respectfully submitted,

William G. McNeil
Acting Chairman
Board of Commissioners
Victoria General Hospital

REPORT OF THE EXECUTIVE DIRECTOR

TO:

Mr. William G. McNeil
Acting Chairman
Board of Commissioners
Victoria General Hospital
Halifax, Nova Scotia

Dr. M. R. Macdonald

Dear Sir:

I have the honour of submitting the 108th Annual Report of the Victoria General Hospital for the year ending December 31, 1974.

The year 1974 would appear, in retrospect, to be a year of stock taking, a year in which we made plans to look at ourselves and decide where we are and where we are going. It is rather disappointing that a Metropolitan Halifax Regional Health Authority was not formed in 1974, especially following the enthusiastic conference held early in the year when plans were carefully laid for the development of such an authority. This is a pressing need in the Halifax area and hopefully 1975 will see the inauguration of such an authority.

The Victoria General Hospital was busily making plans for a Management Consultant study which would include a Program Analysis and Space Review.

A recruitment program in the United Kingdom resulted in 125 nurses being hired which enabled the hospital to operate at capacity during the summer months, something which could not be done for a number of years.

A pilot program was introduced in the Emergency Department with the employment of six full time physicians on a 24 hour – seven day a week basis. At year's end, this project was operating very successfully, and the quality of care in this department was upgraded considerably.

On a co-operative basis with Dalhousie University and other Halifax Hospitals, a computerization program for electrocardiography services was initiated.

Noteworthy, also, was the development of a Home Training Renal Dialysis Program for the province.

During the year, the computerization program for all hospital stores was completed.

Plans were developed to integrate the Pathology Institute with the hospital and thus bring it under the administration of the Victoria General Hospital. This was successfully accomplished by December 31, 1974.

There were a considerable number of changes among the medical and nursing staffs, and, to those retiring, our appreciation for their valuable contributions and, to those promoted or appointed, congratulations.

The following were some of the changes:

Nursing Service Department– Mrs. Ruth Dennison, R.N., B.N., appointed Associate Director Nursing; Mrs. Grace Grant, R.N., B.Sc.N. from Assistant Director of Nursing Service to Supervisor of the Outpatient Department; Miss Margaret Gilles, R.N., B.Sc.N. from Supervisor of the Out-patient Department to Director of the Management Pilot Project in the Department of Medicine; Mrs. Helen Dares, R.N., B.Sc.N. promoted to Assistant Director; Mrs. Marilyn Burke, R.N., B.Sc.N. appointed an Assistant Director.

The following were promoted to Head Nurse positions: Mrs. Heather Williams, Miss Ann Pelley, Mrs. Donalda Dickey and Miss M. Mills.

Mrs. Thelma LaPierre was promoted to Administrative Assistant from the position of secretary in the department.

School of Nursing – Miss Florence O'Donnell, R.N., M.A. resigned as Director of the School and Mrs. Jean Magee was made Acting Director.

Department of Anaesthesia – Doctor W. Desmond Writer whose primary interest is in Neuroanaesthesia. Doctor Blenkarn also joined the staff. He has had considerable experience in intensive care.

Doctor Malcolm Margeson was made a Fellow in the Department.

Emergency Department – It was with considerable regret that the resignation of Doctor R.F. Scharf was received. He acted in the capacity of Medical Director of the Emergency Department as well as being a Geographic full-time physician with the University.

Doctor William MacRae was appointed Co-ordinator of Medical Services. The following were appointed as Emergency Department Physicians on a full-time basis:

Doctor Claire Murphy
Doctor Caroline Barry
Doctor William Pollett
Doctor Peter Stevenson
Doctor Peter Roy
Doctor Patrick MacDermott

Department of Medicine – Doctor R.C. Dickson retired as Professor and Head of the Department of Medicine at the University. Doctor Dickson was for many years also Head of the hospital department. He remains on the Consulting Staff.

Doctor R.N. Anderson, who succeeded Doctor Dickson as Head of the Hospital Department of Medicine, resigned as Head, but retains his Active Staff appointment with particular interest in the cardiovascular service.

Doctor G. Ross Langley was appointed Professor and Head of the University Department of Medicine and also became Head of the Department of Medicine.

Department of Neurosurgery – Doctor W.D. Stevenson retired as Head of the Department but remains on Active Staff. Doctor Stevenson deserves untold credit for the development of Neurosurgical Services in Nova Scotia.

Doctor W.S. Huestis was appointed Acting Head of the Department of Neurosurgery.

Department of Ophthalmology – Doctor D.K. Murray retired as a member of the Active Staff but continues to provide his services in the teaching wards. Doctor G.J. Whiston became an Assistant Ophthalmologist. Doctor C.C. Cron became a Fellow in the Department.

Department of Otolarngology – Doctor G.M. Novotony was appointed Professor and Head of the University Department and Head of the Hospital Department. He held both posts in an acting capacity since the retirement of Doctor J.M. Hammerling.

Department of Oral Surgery – Doctor D.S. Precious appointed to Active Staff. Doctor F.W. Lovely was elected President of the Royal College of Dentists of Canada and resident-elect of the Canadian Society of Oral Surgeons.

Department of Radiology – Doctor J.S. Manchester retired as Head of the Department. Doctor J.R. Standen was appointed to succeed Doctor Manchester as Professor and Head of the Department at the University and as Head of the Department at the Victoria General Hospital.

Department of Radiotherapy – Doctor John Aldrich was appointed Physicist succeeding Doctor Sas who retired.

Department of Surgery – Doctor A.J. Bodurtha appointed Assistant Surgeon and has a particular interest in Oncology. Doctor William Caines joined the Active Staff in the Plastic and Rehabilitative Service. Doctor Claude Bugden appointed to the Thoracic Services of the Department. Doctor David Murphy joined the Cardiovascular Services of the Department.

All departments of the hospital, medical, nursing, and other allied health services as well as the administration and service departments deserve a tribute for their loyal and dedicated work in making quality care for our patients possible.

Particular appreciation is expressed to the various Divisions of the Nova Scotia Government Employees Association and the Canadian Brotherhood Railway Technicians and General Workers Division for their co-operation. A Union Management Committee operated with considerable success and plans are presently being made to reconstitute the committee with improved guidelines.

I would like to express appreciation on behalf of the hospital, and particularly on my own behalf, to the Nova Scotia Health Services and Insurance Commission, the Nova Scotia Council of Health, the Department of Health and particularly the Minister of Health for support and co-operation.

To you, Sir, and the other members of the Board of Commissioners, my personal thanks for your guidance, support, and co-operation which enabled us to complete a very successful year in the operation of the Victoria General Hospital.

Yours sincerely,

M.R. Macdonald, M.D.
Executive Director

STATISTICAL SUMMARY : 1974

Bed capacity	835
Total admissions	17,519
Average daily occupancy	632.21
Average days stay	14.22
Total patients days	241,947
Emergency Department visits	45,704
Out-Patient Department visits	39,559
G.I. Function Lab procedures	1,014
Endoscopy Service tests	782
Pathology – total tests performed	1,171,905
Clinical Bacteriology – units	395,023
Diagnostic Radiology	128,941
Radiotherapy	
Cobalt treatments	
Pharmacy prescriptions filled	102,845
Electroencephalographs	2,510
Electrocardiograms	25,733
Echocardiograms	521
Anaesthetics administered	20,907
Dietary department meals served	1,695,487
Audio Visual photos and slides	3,562
Central Supply Service – trays & supplies	141,323
Cardiac Catheterization Lab procedures	797
Respiratory Technology patients treated	4,393
Pulmonary Lab tests	861
Blood Gas Lab – tests	20,724
Dentistry procedures	14,801
Social Service –	
Units of service to patients	33,547
V.O.N. In-Patients	1,205
Out-Patients	806
Ambulance calls	4,104
Physiotherapy visits	
In-Patients	31,919
Out-Patients	16,465
Laundry Department – pounds processed	3,886,202
Blood Specimen Collection Service Units	113,927
Number of operations	21,137

MEDICAL STAFF

DEPARTMENT OF MEDICINE

The Management Project as recommended in the 1971 Stevenson – Kellogg Report, which proposed several major changes in organizational structure, was implemented. Aim of the project is to provide central management of all activities in the Department of Medicine at a mid-management level.

As a result of the Medical Staff's Bed Allocation Committee Report implementation, a reorganization of the clinical services was undertaken to better adapt to the requirements to provide an appropriate type and level of care for the patients admitted on a emergency basis.

Total booked admissions accounted for 1,621 separations and emergency admissions accounted for 2, 697 or 62% of total separations. OPD Clinics continued as in the past with 6,177 visits.

The Royal College of Physicians and Surgeons of Canada after sight visits continued approval for the program of internal medicine, neurology, physical medicine and rehabilitation and approved the initial submission for recognition of subspecialty training programs in Rheumatology, Cardiology and Haematology.

More than 90 scientific studies were either published or presented to either national or international societies by members of the Department. Among others, these included Isolation of the Macrophage Inhibition Factor; the Concept of the Relationship of Skeletal and Cardiac Myopathies; Discovery of a

Gastrointestinal Bacterial Dehydrogenase and of Microbiological Enzyme Profiles in Feces; Development of a Technique for Chronic Renal Tubular Micropuncture; Detection of Defective Key Lymphocyte Function in Chronic lymphotic Leukemia; The production of Adjuvant Arthritis and the Demonstration of Humoral Immunity in Hypersensitivity Pneumonitis.

Cardiac Service

Seven hundred and ninety-seven patients underwent investigation and treatment in the Cardiac Catheterization Laboratory. Two hundred and eleven patients had temporary pacemaker insertions and 586 underwent diagnostic cardiac test catheterizations.

E.C.G. Department

Twenty five thousand, seven hundred and thirty-three electrocardiograms were performed in 1974. The computer interpretation of E.C.G.'s is now well established, Mark-Sense overreading forms were introduced and will allow the definitive data of various E.C.G. patterns to be compared with those of the present readers. The addition of this tool shows great promise as a potential solution to a

very real problem and expansion of this type of program should result in clarification of many questions related to the use of computers as a diagnostic aid.

Coronary Care Unit

Six hundred and ninety-nine patients were admitted to the Coronary Care Unit during the year. This represents a 10 per cent increase from 1973.

Echocardiographic Laboratory

Five hundred and twenty-one patients underwent examination in the cardiac ultrasonic laboratory. The availability of ultrasound as an investigational tool in cardiology has been an important clinical advance which has reflected in the increasing volume of work performed by this laboratory.

Exercise Stress Testing Laboratory

Three hundred and ninety patients underwent exercise stress testing in the laboratory. This reflects a substantial increase in the use of this as a diagnostic tool.

Endocrine Metabolic Service

A total of 647 in-patients and 278 out-patients were investigated.

G.I. Service

The G.I. Service was reorganized and is presently incorporated with Dermatology.

A total of 1,014 G.I. Function Tests were done in 1974 with 246 patients being seen in the clinic and 119 consultations and 782 endoscopies.

Neurological Service

The following tests were performed during the year. In-patients – 412, out-patients – 613, E.E.G. Examinations 2,510, Nerve Induction Examinations – 251.

Occupational Therapy

The Occupational Therapy Service, although inadequately staffed, is particularly active in providing splinting for patients. It also provides assessment of functional ability, instruction in activities in daily living as well as activities to improve function in a large variety of disabling diseases and injuries.

Physical Medicine

The Physiotherapy Department also experienced a severe staff shortage during the year and this, coupled with inadequate facilities, accounted for a waiting list of between 20 and 70 patients.

There is an urgent need to relocate both Physiotherapy and Occupational Therapy Departments in areas specifically designed for their needs. Despite inadequacies of the facilities, both services continued to provide a very high standard of patient care. Consideration should also be given to the training of more physiotherapists and occupational therapists.

Pulmonary Function and Blood Gas Laboratories

Three hundred and sixty-one pulmonary function tests were performed in 1974, which is an increase of 7.2 per cent over 1973.

The department participated in six week-training-periods for Respiratory Technology students as well as six two-hour lab sessions for first year medical students during their respiratory block.

Blood Gas Laboratory: Twenty thousand, seven hundred and twenty-four blood gas determinations were performed during the year. This is an increase of 3,030 determinations. The increase in the number of tests was partially offset by the purchase of a New Corning 165 Blood Gas Analyzer.

Respiratory Technology

The department experienced an overall 14 per cent increase in services during the year. There was a dramatic decrease in the number of intermittent positive pressure breathing treatments which were rendered and this was attributable primarily to a massive physician education program.

Renology Service

A home dialysis program was started during the year and is progressing favorably. Two nurses have assumed the responsibility for home training and report that they have received excellent co-operation from both the administrative and support services of the Hospital.

Rheumatic Disease Unit

A member of the Social Service Department was assigned to the unit and she has initiated group discussions among patients and various health professionals.

The Out-patient Treatment Clinic grew and the general arthritic clinic was altered from the general medicine and arthritis clinic to a specialty clinic with a limited number of patients in an effort to provide improved patient care.

Department of Anaesthesia

After returning from a six-week visit to China, Dr. I.E. Purkis began a Pain Clinic. One mode of treatment is acupuncture. Dr. Purkis

also believes that the management of pain must be a multidisciplinary concern and managed as such.

There was an increase in the workload of 1,139 general anaesthetics, which is equivalent to the workload of one anaesthetist. Increase in volume in the last two years was primarily due to the increasing number of out-patient procedures, now amounting to approximately 30-40 per cent of all cases. This high proportion of out-patients has overtaxed the capabilities of the recovery room and, as an interim measure, a post-recovery room lounge is being planned for implementation early in the new year.

Dr. W. Desmond Writer from Birkenhead, England, joined the staff and will be primarily interested in neuroanaesthesia. Dr. Douglas Blenkarn, formerly on the staff of Duke University, joined the department and will be involved in developing the intensive care aspect of the department. Dr. Malcolm Margison joined the staff as a Fellow after completing his residency.

Department of Surgery

In 1974, the department again experienced an increase in the Emergency patient load, which compromises to some extent its ability to fulfill its role in patient care, education and research.

A highlight of the year was the development of an Oncology Service. This service functions primarily as a consultative resource for the Victoria General Hospital; however, its services are also available to other hospitals within the province. In the field of patient care, members of the service have instituted new types of chemotherapy for use with many types of far advanced malignancies.

One of the most interesting innovations in the Department has been the institution of a clinical trial of the effect of chemotherapy as a prophylactic agent in the treatment of breast cancer. This project was set up on a nation-wide basis, with Dr. Allan MacDonald as national chairman. The program is well underway. It is hoped that, within a year or two, much valuable clinical information will be available as a result of the project.

Department of Neurosurgery

The work of the Department of Neurosurgery increased to 2,163 procedures, of which 758 were major operations as compared with 1,860 and 668 respectively in 1973. Admissions increased by a total of 63 and the patient stay decreased considerably to an average of 12.7 days per patient.

Members of the staff continue to be active on several committees of national organizations and attended meetings of the Royal College of Physicians and Surgeons of Canada., the American Association of Neurological Surgeons, the Society of Neurological Surgeons, the American Congress of Neurosurgery and the Canadian Congress of Neurological Sciences.

The Neurosurgical Nursing Staff continue to play an important role in the activities of the Canadian Association of Neurological and Neurosurgical Nurses. Papers were presented at the national meeting in Saskatoon, and monthly meetings have been held with good attendance and a high level of participation. Nursing staff members have also attended and participated in refresher courses on intensive care nursing.

Department of Oral Surgery

The total number of in and out-patients treated by the department was 6,593 compared with 5,532 in 1973. This represents an increased patient load of approximately 20 per cent.

The quality of patient care remained high with commendable devotion of senior, resident and auxiliary staff.

The following projects are being carried out in the department: a comparison of post-sedation recovery rates; serum levels of penicillin G subsequent to oral dose in diabetic, and non-diabetic individuals about to undergo minor oral surgery.

Beds were specifically alloted to oral surgery and, in conjunction with the members of the Department of Family Medicine, admission of patients for oral surgery was working well. The total interne-resident staff was five, an increase of one, which is an attempt to train an optimum number of specialists for the Maritimes.

Emergency Department

Forty-five thousand, seven hundred and four patients were treated in the Emergency Department during the year. Compared with other years, the increase has been relatively small and is an indication that we may be experiencing a leveling-off of the rapid growth that the department has been experiencing over the last five years.

A major reorganization was effected in the Emergency Department when six emergency room physicians were hired on a full time

basis to be responsible for medical care in the department on a 24-hour – seven-day a week basis.

All ambulance drivers were required to take the attendant course as all are now ambulance driver-attendants. Internes and residents go out on ambulances only on request. Results of this change are being watched with great interest and, already the quality of care is improved. Patients are attended more readily and a medical-nursing administrative team is working more smoothly in this department.

A simulated disaster exercise was organized by the Emergency Measures Organization and enabled the hospital to test its communications network with other local hospitals, the effectiveness of its triage and ability to handle a large number of emergencies from a simulated accident.

Department of Otolaryngology

The over-all in-patient and out-patient load remained virtually unchanged from the previous year. Utilization of audiometry in the out-patient clinics and for in-patient consultation continues to increase steadily. New equipment will be installed in the out-patient clinic to allow for centralization of audio-vestibular facilities.

Dr. C.C. Cron was appointed a teaching Fellow after completion of a year as chief resident. In November, he successfully passed the Royal College of Physicians and Surgeons of Canada examinations and gained his F.R.C.S.(C).

Staff of the department participated in Grand Surgical Rounds presenting a review of current trends and treatment in otolaryngology, formal undergraduate lectures to third year students, community hospital lecture program and a number of other seminars.

Preventive Medicine

The department carried on a program of testing for tuberculosis on both patients and staff during the year and 26 cases of tuberculosis were diagnosed as a result of the program.

The pap smear program was carried on jointly by the Department of Gynaecology and Preventive Medicine with a total of 1,947 pap smears tested. Staff members, nursing and students numbering 3,071 attended the immunization clinics.

The Committee responsible for infection control made a number of recommendations that the number of staff for this function be increased and all the policies and procedures be reviewed and revised when necessary. In 1974, a total of 221 infection reports were received and with a total of 17,519 discharges, we calculate that we have a 1.3 per cent infection rate.

Diagnostic Radiology

Volume of work performed in the department increased substantially more than in preceding years due to the population growth in the greater Halifax area and introduction of new methods and techniques. This increase is beginning to overtax the resources of the department. Additional space will soon be required or it will be necessary to curtail this continuing growth.

Volume of out-patient work is now approximately 55 per cent of the total load and while necessary, it interferes with the in-patient service. Consideration should be given to relief of this type of work. The medical staff of the department was increased to 15 members. Approval in principle was given to the installation of a second cardiac catheterization room, which will provide additional facilities for coronary arteriography as well as cardiac chamber angiography. Approval was given to purchasing a new E.M.I. scanner for computerized tomographic scanning of the brain. Progress is being made in ultrasonography and the department is planning improvement in its ability to perform high quality renal investigation.

Five students successfully passed the C.S.R.T. national examinations with the sixth student having a partial pass.

Tumour Clinic

During 1974, the number of patients receiving active treatment through the Nova Scotia Tumour Clinic increased considerably with 7,488 patient visits. This is a result of the policy adopted by the medical staff that patients receiving chemotherapy are best treated when this therapy is through either a local or national protocol study. Most patients are treated on an out-patient basis, with improved results in the treatment of patients having various malignancies.

Various clinics continue to be held regularly providing consultative services to patients and physicians, as well as follow-up programs.

Demand by medical staff for review studies concerning patients followed in this clinic continues to increase and will probably require additional staff.

Ophthalmology

General ophthalmology clinics were held daily with an attendance of 3,657 patients. A Glaucoma Clinic was held Tuesday afternoons with 313 patients visits. An additional 538 patients were referred to the clinic for tomography and visual field determination

Department of Gynaecology

The Department of Gynaecology has been active as a referral centre for gynaecological malignancies, resulting in the establishment of an active oncology section under the direction of Dr. R.C. Fraser. Under his guidance, disposition clinics have been organized whereby any gynaecological patient may be referred for advice on diagnosis and treatment of gynaecological malignancies. Malignancy problems throughout the province are increasingly referred to this clinic before primary treatment is given.

The gynaecology out-patient department serves the area and all surgical patients are advised to return to the post-op clinic for one visit before being referred back to their physician. The number of patients coming to this clinic is decreasing.

The Endocrine Clinic is still part of the Gynaecological Department. Results of the research from this clinic are well known throughout Nova Scotia and the rest of Canada.

Total out-patient procedures performed during the year increased. Many patients would have formerly had to be admitted to the hospital. As a result, space is now available for patients, while others convalesce in the home environment.

Re-allocation of beds has made possible another teaching area geographically located for medical students, internes, residents and post-graduate doctors.

Radiotherapy Department

Radiotherapy facilities in the Province of Nova Scotia were thoroughly reviewed by a committee chaired by Dr. J.S. Manchester and the committee presented a comprehensive report to the government with the highlights being recommendation to up-grade staff to seven radio-therapists at the hospital, to expand equipment by purchasing a linear accelerator and stimulator.

Dr. John Aldrich, physicist, came on staff to replace Dr. R.K. Sas. Closer liaison with the physical aspects and the provision of stimulus to the radiotherapists in their work, has resulted.

Outpatient Department

During the year, 39,559 visits for examination and treatment were made to the Outpatient Department by 14,813 patients. This represents a slight increase over the 1973 figures, which showed that 14,813 patients made 39,312 visits.

It has become apparent that the clinics are being used more frequently for consultative or specialty service, rather than for long term or continuing care. The General Medical Clinic is gradually being phased out and in September was reduced from three weekly sessions to two with no new patients being accepted. This has resulted in a reduction of patients visits from 2,152 in 1973 to 1,537 this year with an expected further reduction to one weekly clinic early in 1975. Psychiatry Clinic also shows a steady reduction in volume from 5,614 visits in 1973 to 4,645 in 1974.

A new Pain Clinic, opened under the Department of Anaesthesia in 1974, has been active with a total of 139 patients treated during 1.011 visits.

Three clinic sessions of the Orthopaedic Service continue to have the largest attendance of patients with resulting inconvenience to the patients because of crowded waiting space and other facilities.

Department of Psychiatry

The In-patient Service continues to operate at almost 100 per cent capacity with between 70 and 80 per cent of the patients coming from outside the Halifax area.

Teaching commitments grew with increased requirements for psychiatric interneships for foreign internes and greater requirements for psychiatric experience for residents in family practice.

The outpatient load was restricted in order to maintain quality patient care. This proved to be exceedingly difficult because of the large number of emergency admissions which require follow-up either as in-patients or out-patients.

A special Lithium and Moditen Clinic was set up under Dr. David King. There has also been considerable development of group therapy in the Outpatient Department under the director of Social Service Department.

The consultation service remains busy averaging two consultations per day.

Dr. Solomon Hirsch has largely withdrawn from the direction of the out-patient service and the responsibility has been assumed by Dr. Caroline Abbott.

Department of Pathology

The Anatomical Pathology division's work load increased again this year, particularly the small-biopsy service, the immunopathology service, and the diagnostic cytology service serving the province as a whole.

In the Clinical Chemistry division, the trend toward more extensive use of automation to cope with work loads was continued with the purchase of new equipment. An automated system, using an on-line computer, was developed in the Division. Radioimmunoassay procedures were extended in the Hormone Section to cover almost all of the pituitary and thyroid hormones.

In the Hematology division, the Blood Bank section was required to take over further responsibilities from the Red Cross, so that, by the end of the year, it was providing blood bank-cross match services to all city hospitals except the Halifax Infirmary. New hematological test procedures were introduced in 1974, including the RAST test-system for allergic disorders.

The Department provided pathology training during 1974 to five clinical residents seconded from university programs, and to its own staff of four residents pursuing careers in laboratory medicine.

Research

Research in the Department of Medicine continued in such areas as skeletal and cardiac myopathies, ventricular function, arrhythmias, cardiac enzymes, computer interpretation of electrocardiograms, coronary care, bile salt metabolism, gallstone formation, rheumatoid arthritis, synovial cell function, renal tubular function, edema formation in renal transplant patients, chronic lymphocytic leukemia and infectious mononucleosis, hypersensitivity pneumonitis and multiple sclerosis. Support for most projects came from national granting agencies and from University Internal Medicine Research Foundation.

Research in surgery, both clinical and basic, continued with increasing evidence of success. The number of presentations and publications have been increasing and given at both national and international meetings with a reasonable number of national grants being obtained for the support of research.

There are a number of research projects in progress in the Rheumatic Disease Unit.

ANALYSIS OF HOSPITAL SERVICES FOR 1974

Services	Male	Female	Total	Died Under 48 Hours	Died Over 48 Hours	Total Deaths	Death Rate	No. of Autopsies	Autopsy Rate	Patients Receiving Consult.	Consult Rate	Total Days	Avg Days Stay
Ward													
Medicine	2,061	1,565	3,626	84	259	343	9.5	126	36.7	1,169	32.2	57,129	15.8
Surgery	1,395	1,011	2,406	36	146	182	7.6	87	47.8	592	24.6	36,757	15.3
Plastic Surgery	316	120	436	1	5	6	1.4	6	100.0	95	21.8	6,572	15.1
Orthopedics	586	371	957	2	18	20	2.1	11	55.0	163	17.0	14,448	15.1
Oral Surgery	40	43	83	–	–	–	–	–	–	64	77.1	404	4.9
Neurosurgery	354	169	523	19	30	49	9.4	33	67.3	164	31.4	9,431	18.0
Radiotherapy	3	2	5	–	–	–	–	–	–	1	20.0	57	11.4
Ophthamology	113	70	183	–	–	–	–	–	–	60	32.8	2,465	13.5
Otorhinolaryngology	202	100	302	1	3	4	1.3	1	25.0	78	25.8	3,208	10.6
Newborn	–	–	–	–	–	–	–	–	–	–	–	–	–
Gynecology	–	1,358	1,358	1	11	12	.9	9	75.0	318	23.4	8,595	6.3
Urology	881	264	1,145	2	22	24	2.1	12	50.0	300	26.2	14,851	13.0
Psychiatry	67	162	229	–	–	–	–	–	–	87	38.0	5,810	25.4
Private													
Medicine	332	360	692	1	21	22	3.2	4	18.2	362	52.3	11,679	16.9
Surgery	1,043	1,362	2,405	3	49	52	2.2	17	33.3	654	27.2	32,372	13.5
Plastic Surgery	106	130	236	–	–	–	–	–	–	29	12.3	2,271	9.6
Orthopedics	275	305	580	–	1	1	.2	–	–	126	21.7	8,998	15.5
Oral Surgery	9	30	39	–	–	–	–	–	–	18	46.2	199	5.1
Neurosurgery	190	158	348	1	8	9	2.6	3	33.3	128	36.8	5,005	14.3
Radiotherapy	9	15	24	–	3	3	12.5	–	–	10	41.7	335	14.0
Ophthamology	103	120	223	–	–	–	–	–	–	43	19.3	2,046	9.2
Otorhinolaryngology	120	139	259	–	–	–	–	–	–	33	12.7	1,345	5.2
Gynecology	-	919	919	–	2	2	.2	2	100.0	125	13.6	7,944	8.6
Urology	257	91	348	–	6	6	1.7	1	16.7	99	28.4	5,097	14.6
Psychiatry	46	147	193	–	–	–	–	–	–	57	29.5	4,929	25.5
Total Private	2,490	3,776	6,266	5	90	95	1.5	27	29.4	1,684	26.9	82,220	13.1
Total Ward	6,018	5,235	11,253	146	494	640	5.7	285	44.2	3,091	27.5	159,727	14.2
GRAND TOTAL	8,508	9,011	17,519	151	584	735	4.2	312	42.4	4,775	27.3	241,947	13.8

NURSING SERVICE

A specialized Intensive Care Unit for cardiovascular patients opened early in the year and continued despite difficulties in staffing, and was able to maintain service.

Representatives of the Nurses Recruiting Committee, accompanied by Dr. M.R. Macdonald and Mr. E. Pace of the Civil Service Commission, had the opportunity to visit the United Kingdom and 125 nurses and nursing assistants were recruited. The addition of these nurses plus the availability of nursing students during the summer months enabled us to maintain all our beds in operation. Members of the Nurses Recruiting Committee visited 14 nursing schools (degree, diploma and C.N.A.) in Nova Scotia and Prince Edward Island.

Staffing problems were accentuated by the terms of the N.S.G.E.A. agreement which instituted some new articles structuring work hours, shift assignments, etc.

Coverage for the hospital, whose average census showed more than 80 per cent at all times, was provided. The fact that this was maintained was to the credit of the nursing staff, particularly head nurses, putting in many hours overtime and having to do general staff duties in additional to their own heavy load.

Some staff and clinical facilities were involved in the presentation of a re-entry programme for non-active nurses.

Much study, discussion and several trial studies have been carried on through the year with a view to providing a better situation for staff nurses. For instance, a study and demonstration of a means to improve the quality of patient care was begun. The demonstration is being carried out jointly by the Victoria General Hospital Nursing Service and the School of Nursing at Dalhousie University under the direction of Miss Norma Wylie, R.N., B.Sc.N.

The Nursing Service Committees, set up in 1973 to provide means for members from all levels of staff to become actively involved in areas of their particular interest, produced an impressive list of achievements.

Nursing Inservice Education 1974

Approximately 456 registered and/or graduate nurses, 96 certified nursing assistants and 15 nursing attendants attended the week-long orientation to the nursing department. This program is conducted bi-monthly.

A twelve-week course in Hospital Management was attended by approximately 25 people from a variety of departments in the hospital, on a voluntary "after hours" basis.

Two six-week critical care nursing programs were presented to 23 nurses from the Victoria General Hospital and 11 nurses from outside agencies. The overall objective of this continuing education program is to present information on various illness states encountered in critical care nursing and to plan, administer and evaluate care for critically ill persons. Ten workshops were held and each one was attended by approximately 50 nurses.

Programs on a weekly basis were held on a variety of nursing care and/or related topics.

Demonstration Patient Care Unit

Joint planning began between the School of Nursing, Dalhousie University, and the Victoria General Hospital Nursing Service for a Demonstration Patient Care Unit on 7B. The objective is to provide controlled environment where experimentation of staffing patterns may be carried out and effects measured in relation to job satisfaction and role modifications.

The unit assignment system was adopted as the method for ward organization and instituted in November 1974. This decentralized the traditional nursing station by dividing the ward into a number of small units according to levels of care required. A portable supply and communication station was centered in each unit, forming the basis for incorporating this system.

NURSING EDUCATION

An increase in faculty resignations, coupled with higher student enrollment and implementation of curriculum changes, all contributed to extra demands placed on faculty members. Faculty continuing education programs included 20 faculty members sponsored for continuing education programs; a two-day workshop open to all schools of nursing and directors of nursing service in Nova Scotia, New Brunswick and Prince Edward Island; a workshop focused on "Nursing Instructor as Guest in Hospital", by Dr. Helen Glass; a two-day inservice workshop for all faculty members; and monthly continuing education programs.

Seventy-one students graduated in September, 1974 and 155 students were admitted to the fall class, an increase of over 46 per cent.

The executive committee of the Registered Nurses Association of Nova Scotia granted approval to the Victoria General Hospital School of Nursing. A four-week program for care of the mother and infant, care of the child and care of the emotionally ill in the first year, and a two-week program of study in the second year were implemented in the program for students in training.

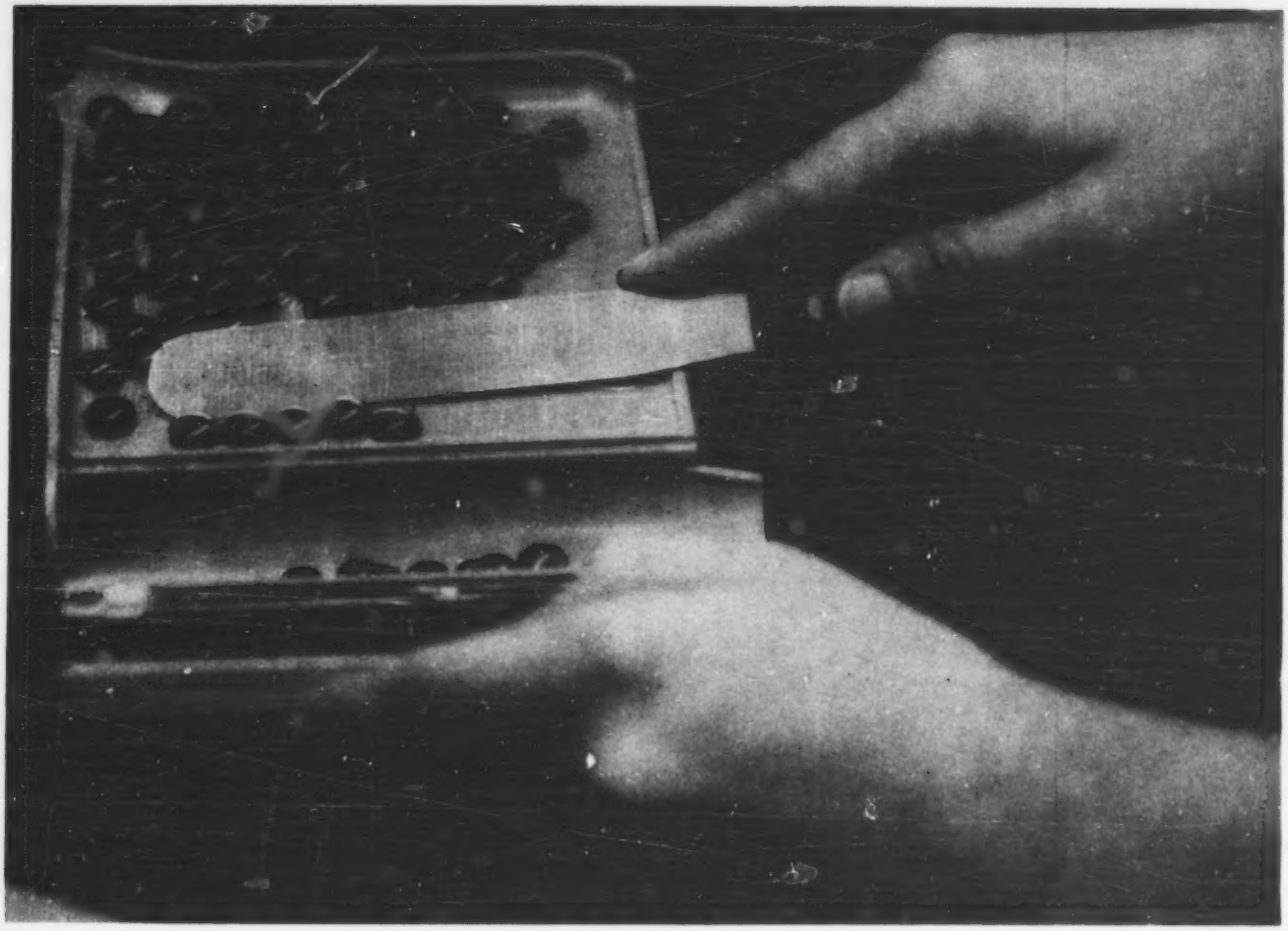
Due to increased student enrollment and insufficient clinical facilities for learning experiences for the care of the emotionally ill at the Victoria General Hospital, revisions in that part of the program were carried out. An agreement with the Nova Scotia Hospital in Dartmouth was arranged so that students will receive one half of their experience on 9A (Victoria General Hospital) and the remaining at the Nova Scotia Hospital.

Clinical facilities for beginning students were expanded to include Camp Hill Hospital, Fairview Villa Nursing Home, Keddy's Nursing Manor, St. Vincent's Guest House and Pine Haven Estates. These facilities were visited and assessed for adequacy of learning experience. Evaluation of this program has shown it to be well worthwhile.

The first year's curriculum was extensively reviewed and assessed. Revisions included: Better sequencing of content, more even distribution of content, deletion and addition of content, lecture hours increased, etc., in keeping with recommendations from the accreditation visit.

The School reviewed and revised health and welfare policies, admission policies, evaluation and promotion policies, faculty manual. Work began on updating job descriptions of faculty members and revising the organizational structure of the School of Nursing.

Expansion of physical facilities and refurnishing of the School Library was completed. A donation from Dr. W.A. Piper in memory of his wife Adele (Yeo) Piper, a graduate of this School, was made toward furnishing the Library.



SUPPORT STAFF

Dietary Department

There has been great emphasis over the past year on nutrition, at the consumer level and in the hospital setting. This led to greater emphasis in the clinical area of keeping a close watch on the nutritional status of all patients.

The Dietary Department served a total of 1,695,487 meals. Of the 905,506 in-patient meals served, special diet trays numbered 175,557 and diabetic diet trays numbered 47,406. The clinical units were re-organized to allow a better patient-dietitian ratio. Nutrition rounds were introduced for purposes of studying individual patient nutrition problems as well as for the teaching of dietetic interns. These were opened to allied health and medical students and staff when topics were pertinent.

A satellite noon food service began in the area of the O.R.'s. Refrigeration space has been increased in the main food production area to help cope with expanding services.

A successful safety week was carried out involving all dietary employees. There were many individual group sessions on myriad other topics. At the supervisory level, there was an exchange in-service program with supervisors from other hospitals in the city for purposes of studying alternate systems.

School of Dietetics

Eleven students completed the 12-month dietetic internship program in September 1974. There were 26 applicants eager to fill the seven places which are competitively sought.

The Dacum system concept was expanded to training in the area of administration since it had been so successful previously in the field of therapeutics. Skills related to competences with an instructor's guide and built-in rating system assisted both instructors and students involved in the curriculumm.

The Victoria General Hospital and Halifax Infirmary have continued to work together in the "Atlantic Project-Dietetic Internship Training Program". Phase one students of this project spend 15 weeks after their junior year of University at one of three hospitals in Charlottetown, the Moncton City Hospital or the Nova Scotia Hospital, Dartmouth. Upon graduation from University, they complete internship at either the Victoria General Hospital or the Halifax Infirmary. This project was piloted here, found successful, and the concept will be implemented in British Columbia this year.

Social Service Department

The addition of six social service technicians made possible the initial reorganization of the service delivery system and the redefinition of clinical and administrative roles. The result was an increase and broadening of direct service to patients and consultation to health care team members.

A decentralized service team of four social service staff was developed in the Department of Medicine. The team has integrated its service to patients more effectively than was possible when working from a centralized location. The beneficial effect of decentralization is evident and decentralization of a surgery team as space, personnel and resources become available will hopefully follow.

Bio-Medical Engineering Department

The Bio-Medical Engineering Department is responsible for the maintenance, safety and accuracy of the electro-medical equipment. The department checks the condition of the isolated power system used in the operating theatres and carries out repairs and calibrations on the ground hazard indicators used on these systems. Routine checks are made on electrical outlets, with recommendations to the Department of Public Works on which units require replacement.

During the year, the bio-medical engineer acted as consultant to the Health Services & Insurance Commission in hospital construction with particular reference to the safety and installation of the electrical power systems in hospitals. The bio-medical engineer was also elected as secretary of the newly-formed Institute of Medical and Biological Engineering.

The department is also involved in the purchase, installation and, in some cases, modifications of new equipment. A maintenance and calibration program is carried out on approximately 540 instruments. In 1974, approximately 650 repairs and calibrations were performed on these instruments with 64 emergency calls made on off-duty hours.

Other than routine maintenance and calibration procedures, the department also carried out many special projects involving the construction of new instruments or modification of older equipment.

The Bio-Medical Engineering Department is involved in the E.K.G. Computerization Program, the Audio Visual Program, Coronary Care Unit and any department or location in which monitors or other electro-medical equipment is used.

Materiel Support Services

Effective June 1, 1974, a re-organization of some of the administrative departments of the hospital resulted in the establishment of a Department of Materiel Support Services. The head of the department was promoted from his previous position of Supplies Officer and is now responsible for the Laundry Service and Central Escort Service in addition to his former duties of inventory control and stores.

The computerized inventory control system was successfully expanded to include Pharmacy items.

The **Porter Escort Service** was expanded to include the mail room and responded to 297,894 calls during the year with the following breakdown

Patients	20%
Equipment	23%
Specimens	57%

The staff of the **Blood Collection Department** was responsible for drawing 113,568 blood specimens during the year.

The Laundry Department – a 400 lb. dryer conditioner was installed and has enabled the department to speed up flat work ironers by approximately 25 per cent. Two automatic lift tables were installed to handle tumble dryed items. Total number of pounds of laundry processed during the year was 3,886,202.

Sterile Supply Service

A new awareness of Sterile Supply Service's role has developed through tours of the department, organized in co-operation with

Nursing Education Department and the Supervisor of Inservice. During tours, new staff members were given demonstrations of sterilization procedures, sterile techniques and decontamination practices.

Several requests for tours came from administrative personnel from other hospitals across the province.

A quota system of medical/surgical supplies has been in operation on ward 7B Centennial on an experimental basis. Few difficulties were encountered once quotas were adjusted. Staff are proceeding to set up storage areas on nursing units throughout the hospital to initiate a similar system as soon as necessary alterations and additions are made to their storage areas.

Medical Records Department

The microfilming program was extended from the current 10 years of active charts to seven years, which is helping to relieve the chronic space problem in the department. Chart activity has increased because of the greater number of retrospective and ongoing research studies being conducted in the department as well as increased requests for information from physicians, other hospitals, payment agencies, provincial medical services insurance commission, insurance companies and attorneys.

The procedure for locating emergency records was revised, saving a great deal of time in locating emergency records. Statistics for outpatient surgery was kept for the first time in 1974 and 9,191 private out-patient procedures were performed.

The department again experienced some difficulty in recruiting staff, particularly qualified medical records librarians and medical stenographers. These problems have been overcome to some degree by filling some vacancies with medical records technicians and training non-medical stenographers in the use of medical terminology in cooperation with the Halifax Infirmary.

Maintenance Department

Plans for implementation of recommendations for re-organizing the Maintenance Department and the introduction of Planned and Preventive Maintenance Systems are underway.

The first phase in improvements to the emergency power system was completed. This alteration consists of wiring and transfer relays to provide an alternate power source to selected areas in Centennial Buildings during emergencies.

Design work was completed for an additional 100,000 lb/hour package boiler. Some structural work in the heating plant was completed before the end of the year and installation is expected to be complete in the spring of 1975.

Work began on a new roof for the Radiotherapy Building, the chimney of the old boiler house was removed because of its poor condition, and a home dialysis training centre was built in the west annex.

Pharmacy

A Radiopharmaceutical Service was set up and is responsible for dispensing all radioisotopes used in the Radiotherapy Department.

The use of hyperalimentation nutritional fluids has increased by more than 50 per cent over the previous year and 4,190 units were prepared.

The department has participated in a number of major investigational studies which include the study of the effectiveness of B.C.G., psychiatric agents, and anti-inflammatory agents and several new antibiotics.

Drug profiles, set up for all, inpatients and out-patients, were proven successful.

The department participates actively with the School of Pharmacy of Dalhousie University and a joint appointment was made.

Computerized inventory control system was introduced during the year and has proven to be extremely effective.

Library

The Victoria General Hospital Library System, which consists of the main Health Sciences Library and 32 departmental collections, including the School of Nursing Library exists to support three main functions of the Hospital: patient care, teaching and research.

This past year has been particularly productive in terms of the number of projects completed, new books acquired and new services offered.

A number of projects were completed in the past year with the aim of consolidating and making more effective use of library resources in

the Hospital. They included a survey of departments throughout the hospital to determine a list of books and journals required to develop a strong core collection and additional services needed. The result of this survey was that a number of new books and journal titles were purchased for the Library and some new services were initiated.

A study was conducted to determine the feasibility of routing journals to various locations in the Hospital. As a result, the Library will be involved in routing a number of journals to various departments throughout the Hospital.

Volunteer Services

During the year, the department stressed diversional activities for the patients. Hundreds of pocket novels were collected and distributed to patients as well as games, puzzles, cards and kits. Items distributed were provided gratuitously by individual volunteers and community organizations. Many patients, particularly those from out-of-town were visited and various services were provided for them as required. Services continued with volunteers aiding patients to get to and from the hospital. The department also co-operated with Social Service to find suitable convalescent care facilities for patients being discharged who required these.

The department conducted regular orientation tours for both employees and visitors.

A feasibility study was made regarding day-care possibilities for hospital staff and an in-depth brief was submitted for consideration..

The Victoria General Hospital Auxiliary

The Victoria General Hospital Auxiliary has 175 members as well as representatives from every women's organization in the city and students from high schools and universities, and a flourishing group of candy stripers.

Over $40,000 was contributed to the hospital for the purchase of a Cardiovascular Intensive Care Recovery Room and the Auxiliary is committed to $125,000 for additional equipment and toward purchase of an E.M.I. Brain Scanner.

The fund-raising projects of the Auxiliary are the Acadia Room Coffee Shop, Gift Shop, Beauty Shop, Barber Shop, and flower delivery.

The Auxiliary has library and gift carts which are brought to patients and it provides coffee in the Emergency Department and Out-patient Clinics.

The visiting committee is very active visiting patients, often doing errands or making phone calls for them.

Last year a successful Kris Kringle Korner Bazaar and coffee party were held.

Gifts were presented to graduating nurses and dietetic internes.

Tray favors were made for patients at Christmas, Easter and Valentine's Day.

Audiovisual Department

The department again experienced an increase in the demand for services and prepared 3,562 photos and slides.

Although the work in the clinical photography area showed an increase, the department was particularly active in assisting various departments in preparing 35 mm. slides with synchronized voice tape programs for orientation tours and various lecture series. Space was provided to allow small groups to view various videotapes, 35 mm. slides and movies without necessitating booking one of the larger conference rooms.

The projectionist was greatly in demand during the year and it was necessary to train a number of people in various departments in the use of projectors to help offset the additional demand.

ACTIVE MEDICAL STAFF 1974

Board of Commissioners

Wm. G. McNeil, Acting Chairman
W. Murray Gould
Thomas Miller
Ted Rawding
Fred Robinson
Chester B. Stewart, M.D.
Dr. J. Manchester
Ms. Carolyn MacGregor (to July 31/74)
Dr. R.N. Anderson (to July 31/74)
Mr. D. Zive (from September 1975)
Dr. S. Hirsch (from September 1975)
Mrs. M. Cooley (from September 1975)

Administrative Staff

M.R. Macdonald, M.D., C.M., D.P.H., F.R.C.P(C), *Executive Director*
A.W. Taylor, M.D., D.H.A., *Medical Director*
D.M. McNaughton, C.D., B.A., M.H.A., *Administrative Director*
J.J. Hendriks, *Administrative Assistant*
H.J. Churchill, *Director of Accounting and Staff Services*
Miss F.B. Gass, B.Sc.N., R.N., *Director of Nursing Service*
Mrs. Ruth Dennison, B.N., R.N., *Associate Director Nursing Service*
Mrs. J. Magee, B.Sc.N., R.N., *Director, School of Nursing*
R.E. Buckley, B.Sc., *Personnel Officer*
Miss J.A. Stewart, B.Sc., P.Dt., *Director Dietetics*
Miss M.T. Gillis, B.Sc., R.N., *Administrative Assistant, Dept. of Medicine*
Mrs. G.I. Grant, B.Sc.N., R.N., *Supervisor, Outpatient Department*
R.A. Arthur, B.E.E., *Maintenance Manager and Chief Engineer*
W.C. Houlihan, *Co-ordinator, Materiel Support Services*
Miss K. Kinley, Ph.C., *Chief Pharmacist*
Miss P. MacDonald, R.S.W., *Director Social Services*
Miss D. Jackson, B.N., R.N., *Supervisor, Emergency Department*
D. Carruthers, R.N., *Operating Room Supervisor*

Department of Medicine
Dr. G.R. Langley, *Head of Department*
Dr. R.C. Dickson, *Senior Physician*

Associate Physicians

Dr. R.N. Anderson
Dr. B.M. Chandler
Dr. H.N.A. MacDonald
Dr. R.M. MacDonald
Dr. A.J. MacLeod
Dr. W.A. Murray
Dr. H.C. Read
Dr. J.J. Sidorov
Dr. L.C. Steeves
Dr. D.J. Tonning
Dr. J.F.L. Woodbury

Assistant Physicians

Dr. S. Ahmad
Dr. R. Brewer Auld
Dr. B.W.D. Badley
Dr. S.F. Bedwell
Dr. A.D. Cohen
Dr. F.A. Davis
Dr. J.D. Gray
Dr. R.D. Gregor
Dr. J.H. Haldane
Dr. L.K. Harris
Dr. O.A. Hayne
Dr. L.P. Heffernan
Dr. V.W. Ing
Dr. P.L. Landrigan
Dr. P.A. MacGregor
Dr. A.R. Macneil
Dr. J.M. Marsh
Dr. R.T. Michael
Dr. H.S. Murray
Dr. T.J. Murray
Dr. J.R. Rae
Dr. E.L. Reid
Dr. J.B. Ross
Dr. S. Salisbury
Dr. A.H. Shlossberg
Dr. E.R. Smith
Dr. J.W. Stewart
Dr. C.N. Williams
Dr. S.E. York

Dr. D.R.S. Howell, *Dermatology*
Dr. H.I. Goldberg, *Assistant Dermatologist*

Dr. G.J.H. Colwell, *Associate Physician (Physical Medicine)*
Dr. A.H. Shears, *Assistant Physician (Physical Medicine)*

Department of Surgery

Dr. G.W. Bethune, *Head of Department*

Chiefs of Service

Dr. J.H. Charman
Dr. F.G. Dolan
Dr. E.P. Nonamaker
Dr. J.K.B. Purves
Dr. J.F. Ross
Dr. R.H. Yabsley

Associate Surgeons

Dr. A.J. Buhr
Dr. M. Erdogan
Dr. C.H. Graham
Dr. C.E. Kinley
Dr. G.J. LeBrun
Dr. A.S. MacDonald
Dr. D.A. Murphy
Dr. J.A. Myrden
Dr. D.M. Nicholson
Dr. S.T. Norvell
Dr. D.P. Petrie
Dr. T.M.F. Roberts
Dr. B.J. Steele
Dr. D.V. Willoughby

Assistant Surgeons

Dr. A.J. Bodurtha
Dr. C. Bugden
Dr. G.R. Burns
Dr. L.W. Caines
Dr. J.P. Curry
Dr. A.C. MacDonald
Dr. W.S. Parkhill
Dr. H.L. Stewart

Department of Anaesthesia

Dr. E.A. Moffitt, *Head of Department*
Dr. C.C. Stoddard, *Anaesthetist*

Associate Anaesthetists

Dr. R.M. Ballem
Dr. D. Blenkarn
Dr. A.A. Drysdale
Dr. K.W. Fairhurst
Dr. R.A.P. Fleming
Dr. D.D. Imrie
Dr. Y.M. Patel
Dr. I.E. Purkis
Dr. W.A.P. Thompson

Assistant Anaesthetists

Dr. J.J. Candy
Dr. C. Murchland
Dr. I. Nisbet
Dr. J.A. Smith
Dr. W.D.R. Writer

Department of Dentistry

Dr. F.W. Lovely, *Head of Department*
Dr. A.E. Hoffman, *Associate Dental Surgeon*
Dr. A.K. Bhardwaj, *Assistant Dental Surgeon*
Dr. D.S. Precious, *Assistant Dental Surgeon*

Department of Diagnostic Radiology

Dr. J.R. Standen, *Head of Department*
Dr. J.S. Manchester, *Senior Radiologist*

Associate Radiologists

Dr. G.E. Davis
Dr. R.H. James
Dr. A.D. MacKeen
Dr. W.F. Mason
Dr. A.J. Shaw

Assistant Radiologists

Dr. B. Byrne
Dr. D.R. Campbell
Dr. D.B. Fraser
Dr. L.A. Fried
Dr. G.P. LeBrun
Dr. C.L. MacMillan
Dr. M.D. Riding
Dr. G. Jones

Department of Family Medicine

Dr. H.C. Still, *Head of Department*
Dr. H.I. MacGregor, *Associate Physician*

Assistant Physicians

Dr. D.C. Brown
Dr. R.L. Brown
Dr. B.L. Reid

Department of Gynecology

Dr. W.R.C. Tupper, *Head of Department*

Associate Gynecologists

Dr. J. McD. Corston
Dr. I.A. Perlin
Dr. S.C. Robinson
Dr. S.C. MacLeod

Assistant Gynecologists

Dr. D.W. Cudmore
Dr. R.C. Fraser
Dr. R.H. Lea
Dr. T.R. Martin
Dr. W. Wrixon

Department of Neurosurgery

Dr. W.S. Huestis, *Acting Head of Department*
Dr. W.D. Stevenson, *Senior Neurosurgeon*

Assistant Neurosurgeons

Dr. W.J. Howes
Dr. R.A. Langille
Dr. H.G. Malik

Department of Ophthalmology

Dr. D.M. MacRae, *Head of Department*

Associate Ophthalmologists

Dr. R.F. Hand
Dr. C.F. Keays
Dr. J.H. Molloy
Dr. D.B. O'Brien
Dr. J.H. Quigley
Dr. M.S. Ramsey

Assistant Ophthalmologists

Dr. E.V. Rafuse
Dr. R.M. Read
Dr. G.A. Sapp
Dr. G.J. Whiston

Department of Otolaryngology

Dr. G.M. Novotny, *Head of Department*

Associate Otolaryngologists

Dr. R.S. Murphy
Dr. M.S.C. Sekaran
Dr. M.N. Wali

Assistant Otolaryngologists

Dr. J.S. Goomar
Dr. V. Ketene
Dr. F. Wong

Department of Pathology

Dr. D.T. Janigan, *Head of Department*

Associate Pathologists

Dr. G.H. Anderson
Dr. J.H. Cooper
Dr. G.M. Fraser
Dr. J.T. Hindmarsh
Dr. M.A. MacAulay
Dr. H.C. Read

Assistant Pathologists

Dr. G.E. Bisson
Dr. H.P. Dincsoy
Dr. Z. Pinto
Dr. V.E. Sangalang
Dr. I.Zayid

Department of Preventive Medicine

Dr. P.C. Gordon, *Head of Department*
Dr. F.R. Manuel, *Assistant Physician*

Department of Psychiatry

Dr. R.O. Jones, *Head of Department*

Associate Psychiatrists

Dr. C.J. David
Dr. P. Flynn
Dr. H.K. Hall
Dr. S. Hirsch
Dr. J.F. Nicholson

Assistant Psychiatrists

Dr. Caroline Abbott
Dr. B.K. Doane
Dr. D.L. Hirsch
Dr. D.J. King
Dr. L. Kovacs
Dr. A.W. Kushner
Dr. M.J. MacDonald
Dr. E.M. Rosenberg
Dr. A.M. Shane
Dr. A. Stokes
Dr. C.E. Taylar

Department of Radiation Therapy

Dr. R.M. Cunningham, *Head of Department*
Dr. J. Aquino, *Associate Radiotherapist*

Assistant Radiotherapists

Dr. O.S.Y. Wong
Dr. N.R. Youssef

Department of Serology and Bacteriology

Dr. C.E. Van Rooyen, *Acting Head of Department*
Dr. E.V. Haldane, *Assistant Microbiologist*

Department of Urology

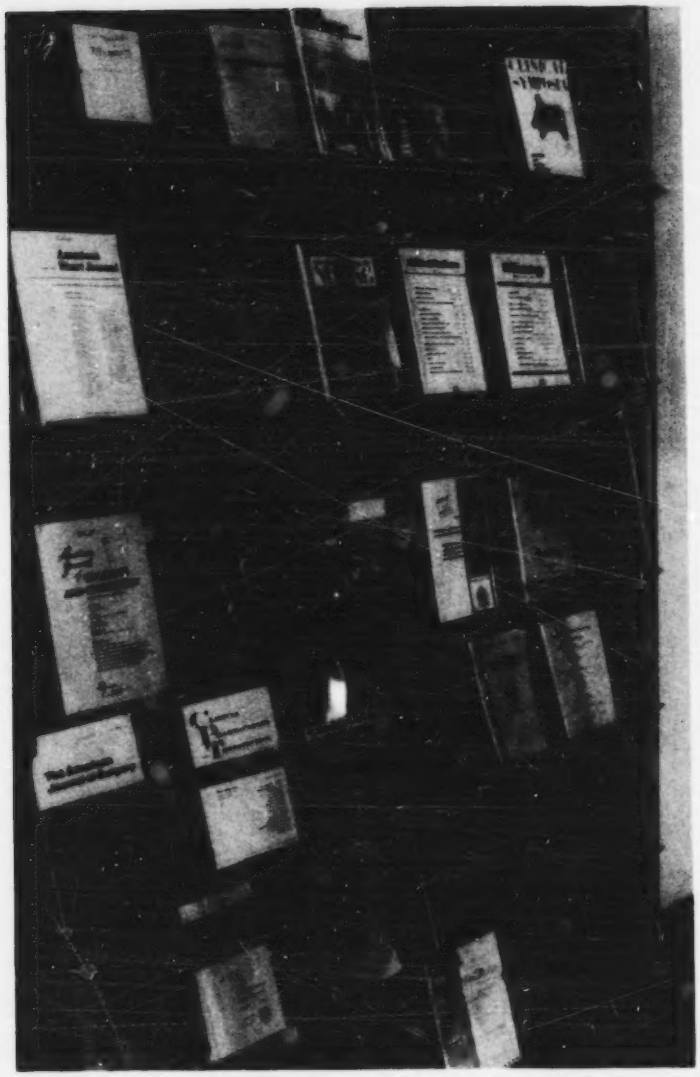
Dr. F.G. Mack, *Head of Department*

Associate Urologists

Dr. W.A. Ernst
Dr. S.G. Lannon

Assistant Urologists

Dr. P. Belitsky
Dr. O.H. Millard
Dr. S.K. Sandomirsky



PUBLICATIONS

Department of Medicine

Badley, B.W.D. – Management of hepatitis B. CMAJ 110: 974, 1974

Forrest, J.N., Cohen, A.D., Torretti, J. Himmelhoch, J.M. and Epstein, F.H. – The mechanism of lithium-induced diabetes insipidus in man and the rat. J Clin Invest 53: 1115, 1974

Dickson, R.C. – Graduate education of the primary physician – are we meeting the country's needs? Bull NY Acad Med 50 (11): 1181, 1974

Felderhof, C.H. – Phenylephrine (neo-synephrine) terminated ventricular tachycardia. Circ 50: 656, 1974

Felderhof, C.H. – The treatment of muscular subaortic stenosis. J Thor Cardio Surg 68: 384, 1974

Fox, R.A. – Immunology of liver disease. Prog Immuno II (5): 318, 1974

Fox, R.A., and MacSween, J.M. – Isolation of migration inhibition factor. Imm Comm 3 (4): 375, 1974

Fox, R.A., Gregory, D.S. and Feldman, J.D. – Factors in fetal calf serum that affect **in vitro** migration of peritoneal macrophages. J Immuno 112: 1861, 1974

Fox, R.A., Gregory, D.S., and Feldman, J.D. – Macrophage receptors for migration inhibitory factor, migration stimulatory factor and the agglutinating factor. J Immuno 112: 1867, 1974

Haldane, J.H. – Diet in cardiovascular disease. NS Med Bull 53 (2): 1974

Haldane, J.H. – Streptococcus borris endocarditis. CMAJ III: 1974

Harris, L.K. – New thoughts in the management of myocardial infarction. NS Med Bull: 1974

Sherman, L.A., Hayne, O.A. – Macro molecular complexes formed as a result of chloramine -+ radioiodination of proteins. Intern J App Rad Iso 25: 81, 1974

Audain, V.P., Ghose, R., Landrigan, P.L. and Quigley, J.H. – Immunoglobulins in aqueous humor and iris from endogenous uveitis and cataract patients. Can J Ophthal 9: 134, 1974

Ghose, T., Landrigan, P., Killeen, R. and Dill, J. – Immunopathological studies in patients with farmer's lung. Clin Allergy 4: 119, 1974

Ghose, T., Landrigan, P.L., Asif, A. – Localization of immunoglobulin and complement in pulmonary sarcoid granulomas. Chest 66: 264, 1974

Macdonald, I.A. – A convenient colorimetric assay for brain adenylate cyclase activity. Experientia 30: 1485, 1974

Macdonald, I.A., Williams, C.N. and Mahony, D.E. – A 3a- and 7a-hydroxysteroid dehydrogenases assay for conjugated dehydroxy bile acid mixtures. Anal Biochem 57: 127, 1974

Macdonald, I.A., Williams, C.N., and Mahony, D.E. – 7a-hydroxysteroid dehydrogenases from **E.coli** and **B.fragilis:** some properties and applications. Bile Acids III. Back, P., and Gerok, W., editors. F.K. Schatteauer Vertag: Freiburg, Germany, 1974

Murray, T.J. and Foley, A. – Narcolepsy. CMAJ 110: 63, 1974

Murray, T.J. and Bleviss, M. – The Treatment of Bell's palsy. NS Med Bull: 105, June 1974

Murray, T.J., Pride, S. and Haley, G. – Motor neuron disease in Nova Scotia. CMAJ 110: 814, 1974

Murray, T.J., Silver, I., Tibbles, J. and Purkis, I.K. – Malignant hyperthermia. NS Med Bull: August 1974

Ross, J.B. and Gavatsos, S. – Absence of chloroquine-induced otoxicity in a fetus. (Letter to the Editor). Arch Derm 109: 573, 1974

Sidorov, J.J. – Acute upper G.I. hemorrhage. Can Fam Phys: January 1974

Doolittle, W.F. and Singer, R.L. – Mutational analysis of dark endogenous metabolism in the blue-green bacterium **Anacystis nidedaus.** J Bacterio 119: 677, 1974

Smith, E.R. – Acute myocardial infarction and muscle salvage: a potential role for pharmacological agents. Can J Surg 17: 84, 1974

Kent, K.M., Smith, E.R., Redwood, D.R. and Epstein, S.E. – Beneficial electrophysiologic effects of nitroglycerin during acute myocardial infarction. Amer J Cario 33: 517, 1974

Epstein, S.E., Redwood, D.R., Kent, K.M., Smith, E.R. and Goldstein, R.E. – Bradycardia, atropine and nitroglycerin in acute myocardial infarction. Cardiovascular Disease. Russek HI, editor. University Park Press: Baltimore, 1974

Williams, C.N. – Bile acid metabolism in liver disease in pathophysiology of gastrointestinal disease. Brooks FP, editor. MacMillan: London 1974

Crocker, J.F.S., Ghose, T., Rozee, K., Woodbury, J. and Stevenson, B. – Arthritis, deformities, and runting in C5-deficient mice injected with human rheumatoid arthritis synovium. J Clin Path 27: 122, 1974

Ghose, T., Woodbury, J.F.L., Ahmad, S. – Immunopathologic changes in rheumatoid arthritis and other joint diseases. J Clin Path: 1974

ABSTRACTS BY STAFF 1974

Department of Medicine

Abbott, E.C. – The effect of D-L-propranolol and D-propranolol on PRA and BP in human renal hypertension. Ann RCPS (C) 7: 1974

Abbott, E.C., Shlossberg, A.H. and Maddox, A.M. – Studies on serum prolactin levels in idiopathic edema. Clin Res 22: 728A, 1974

Auld, R.B., Reid, P.B., and Kim, J.H. – Proximal tubular function during chronic sodium (Na) expansion and depletion as assessed by chronic repuncture micropuncture in dogs. Kid Int 6: 19A, 1974

Auld, R.B., Reid, P.B. and Kim, J.H. – Proximal tubular function during chronic sodium (Na) expansion and depletion as assessed by chronic repuncture micropuncture in dogs. Clin Res 22: 758A, 1974

Dewardener, H.E., Cohen, A.D. and Horth, C. – Potassium depletion: an industrial hazard. Scot Med J 19: 141, 1974

Adelman, A.G., Wigle, E.D., Felderhof, C.H., Trimble, A.S. and Bigelow, W.G. – Natural history and treatment in muscular subaortic stenosis. Amer Coll Cardio, 1974

Betriu, A., Wigle, E.P., Felderhof, C.H., McLaughlin, M.J. – Prolapse of the posterior leaflet of the mitral valve associated with secundum atrial septal defect. Amer Coll Cardio, 1974

Waxman, M.B., Felderhof, C.H., Downar, E., Goldman, B.S. and Morch, J.E. – Self-conversion of drug-resistant paroxysmal atrial tachycardia. Amer Coll Cardio, 1974

Fox, R.A. – Arming macrophage with new receptors for migration inhibition factor. Clin Res 22: 746A, 1974

Langley, G.R. and Smith, F.M. – The microcyte: observations on its genesis and significance. Ann RCPS 7: 40, 1974

Fernandez, L.A.V., MacSween, J.M. and Langley, G.R. – Depressed T cell responses in untreated patients with B cell chronic lymphocytic leukemia. Clin Res 22: 743A, 1974

Fernandez, L.A.V., MacSween, J.M. and Langley, G.R. – Human lymphocyte responses to PHA – age related effects of adherent cells. Clin Res 22: 746A, 1974

Fernandez, L.A.V., MacSween, J.M. and Langley, G.R. – Separation of Subpopulations of lymphocytes from patients with chronic lymphocytic leukemia. Ann RCPS (C) 70: 29, 1974

Smith, E.F., Flemington, S.C. and Fisher, R.P.R. – Myocardial infarction, bradycardia and ventricular arrhythmia: effects of atropine. Circ 50 (Supp II): 246, 1974

Smith, E.R., Craig, D.W. Flemington, S.C. and Anderson, R.N. – Hemodynamic determinants of the mitral valve closure rate. Clin Res 22: 724, 1974

Flemington, S.C., Smith, E.R. and Heffernan, L.P. – The cardiomyopathy of Friedreich's Ataxia: echocardiographic study of six patients and their families. Proc Can Cardiov Soc: 1974

Smith, E.R., Heffernan, L.P. Sangalang, V.E., Gaum, W.E. and Roy, D.L. – Skeletal muscle involvement in patients with asymmetric septal hypertrophy. Circ 50 (Supp II): 131, 1974

Smith, E.R., Heffernan, L.P., Sangalang, V.E., Roy, D.L., Gaum, W.E., Vaughan, L.M. and Flemington, C.S. – Skeletal muscle involvement in patients with asymmetric septal hypertrophy (ASH). Proc Can Cardio Soc, 1974

Smith, E.R., Flemington, C.S., Rae, J.R., Fraser, D.B., Chandler, B.M. and Anderson, R.N. – Asymmetric septal hypertrophy (ASH) simulating constrictive pericarditis. Proc Can Cardiov Soc, 1974

Smith, E.R., Flemington, S.C., Rae, J.R., Fraser, D.B., Chandler, B.M. and Anderson, R.N. – Restrictive cardiomyopathy: part of the spectrum of asymmetric septal hypertrophy (ASH). Clin Res 22: 305A, 1974

Williams, C.N., Macdonald, I.A. and Ledue, R.R. – Abnormal bile acid pools in primary biliary cirrhosis. Clin Res 22: 738A, 1974

Publications of the Anaesthetic staff in 1974 were:

1. T.J. Murray, M.D., Ivan Silver, B.Sc., J.A.R. Tibbles, M.B. and I.E. Purkis, M.B. – Malignant Hyperthermia. The Nova Scotia Medical Bulletin, 53:130-133, August, 1974.

2. I.E. Purkis, M.B. – An Individual View of Acupuncture In China. The Nova Scotia Medical Bulletin, 53:171-178, October, 1974.

3. I.E. Purkis, M.B. – A Visit to China. The Nova Scotia Medical Bulletin, 53:179-183, October, 1974.

4. W.A.P. Thompson, M.D., and K.R. Langille, M.Sc. – The Renal Response to Anaesthesia. The Nova Scotia Medical Bulletin, 53:128-129, August, 1974.

5. E.A. Moffitt, M.D. – The Time Has Come . . . The Nova Scotia Medical Bulletin, 53:125, August, 1974.

6. E.A. Moffitt, M.D. – Getting the Picture into Focus. The Nova Scotia Medical Bulletin, 53:126, August, 1974.

7. E.A. Moffitt, M.D. – Changes in the University Department of Anaesthesia. The Nova Scotia Medical Bulletin, 53:127, August, 1974.

8. E.A. Moffitt, M.D., N. Schnelle, R. Rodiguez, R.A. Lee, and E.S. Judd – Effects of Intravenously Administered Solutions on Electrolytes and Energy substrates During Surgery. Canad. Anaesth. Soc. J. 21:285-293, 1974.

9. E.A. Moffitt, M.D. – Guest Discussion on: Estanfanous, F.G., and Viljoen, J.F. – Effect of Induction of Anesthesia and Ventilation on ECG Signs of Ischemia in Patients with Acute Coronary Artery Sufficiency. Anesth. and Analg. 53:614-615, 1974.

10. S. Tarhan, M.D., and E.A. Moffitt, M.D. – Anesthesia and Postoperative Care for Cardiac Surgery: Principles and Practice. In Practice of Surgery, Cardiovascular Surgery, Chapter 19:1-32. Harper and Row, Hagerstown, Mo., 1974.

PRESENTATIONS BY STAFF 1974

Department of Medicine

Abbott, E.C. – "Hypertension 1974".
Presented to the Newfoundland Medical Association Meeting, St. John's, May 1974

Auld, R.B. **et al.** – "Proximal Tubular Function During Chronic Sodium (Na) Expansion and Depletion as Assessed by Chronic Repuncture Micropuncture in Dogs".
Presented to the American Society of Nephrology, Washington, D.C., November 1974

Bedwell, S.F. – "D'Anvilles Doom: Canada's First Royal Neurological Autopsy – 'Halifax' 1746".
Presented to the Izaak Walton Killam Medical Conference, Halifax, December 1974

Fox, R.A. – "Characterizing the Macrophage Receptor for Migration Inhibition Factor".
Presented to the Canadian Federation of Biological Societies, Hamilton, Ontario, June 1974

Fox, R.A. – "The Isolation of Migration Inhibition Factor".
Presented to the World Congress of Immunology, Brighton, England, July 1974

Fox, R.A. – "The Nature of the Macrophage Receptor".
Presented to the World Congress of Immunology, Brighton, England, July 1974

Langley, G.R. – Bleeding Disorders
Discussant: Ninth Conjoint Scientific Assembly, College of Family Physicians, Charlottetown, October 1974

Langley, G.R. – Hospital Bed Closures: Approaches and Effects.
Participant: Seminar, School of Health Administration, University of Ottawa, November 1974

Langley, G.R. – "Leukemia: Clinical Work".
Presented to Science Writers' Symposium of the Canadian Cancer Society, Toronto, March 1974

Langley, G.R. – Lymphadenopathy.
Discussant: Ninth Conjoint Scientific Assembly, College of Family Physicians, Charlottetown, October 1974

Langley, G.R. – "Report of the Interim Committee for a Metropolitan Health Authority".
Address to the Metropolitan Health Planning Conference, Halifax, June 1974

Langley, G.R. – "Requirements for Tertiary Care".
Presented to the Old Orchard Inn Conference, Nova Scotia Council of Health, Kentville, February 1974

Macdonald, I.A. and Williams, C.N. – "7A-Hydroxysteroid Dehydrogenases from E. Coli and B. fragillis: Properties and Applications".
Presented to the International Bile Acid Meeting, Freiburg, Germany, June 1974

Macdonald, I.A. and Williams, C.N. – "Application of Enzymes to Bile Acid Analysis".
Presented to the Royal College of Physicians and Surgeons, Montreal, January 1974

MacSween, J.M. – "Characterization of Carbohydrate Determinants on Carcinoembryonic Antigen with Lectins".
Presented to the Canadian Society for Immunology, 1974

Murray, T.J. – "Multiple Sclerosis in a Small Rural Community".
Presented to the Atlantic Neurological Association, Saint John, February 1974

Murray, T.J. – "Long-term Studies on Propranolol in Essential Tremor".
Presented to the Atlantic Neurological Association, Saint John, February 1974

Murray, T.J. – "Long-term Therapy of Essential Tremor with Propranolol".
Presented to the Congress of Neurological Science, Saskatoon, June 1974

Smith, E.R., Flemington, S.C., Rae, J.R. Fraser, D.B., Chandler, B.M. and Anderson, R.N. – "Restrictive Cardiomyopathy: Part of the Spectrum of Asymmetric Septal Hypertrophy (ASH)".
Presented to the Canadian Heart Meeting, 1974

Ross, J.B. – "Proportionate Distribution of Skin Disease in a Dermatological Practice in Newfoundland over an Eight Year Period".
Presented to the Canadian Dermatological Association, Ottawa, July 1974

Ross, J.B. – "Psoriasis".
Presented to the Canadian Pediatric Society, St. John's, August 1974

Simpson, A.A., MacLeod, S.C., Shlossberg, A.H. and Wrixon W. – "Pituitary Responses to LH-RH in Females with Hypothalamic Amenorrhea, Stein-Leventhal Syndrome and Other Organic and Hypersecretiary States of Hypothalamus and Pituitary".
Presented to the Society of Obstetricians and Gynecologists of Canada, Quebec, June 1974

Sidorov, J.J. and Lieber, C. – Hepatic Intestinal Adaptation and Injury in Alcoholism, Biochemical Research in Alcoholic Abuse Problems.
Discussant: National Health and Welfare International Symposium, Halifax, August 1974

Sidorov, J.J. – Endoscopic Diagnosis of Gastric Carcinoma.
Chairman: Scientific Session, Mexico City, October 1974

Sidorov, J.J. – Post-Graduate Training in Gastroenterology.
Participant: International T.V. Panel, Mexico City, October 1974

Smith, E.R. – "Asymmetric Septal Hypertrophy Simulating Constructive Pericarditis".
Presented to the Canadian Cardiovascular Society Meetings, Winnipeg, October 1974

Smith, E.R. and Heffernan, L.P. – "The Cardiomyopathy of Friendreich's Ataxia: Echocardiographic Study of Six Patients and Their Families".
Presented to the Canadian Cardiovascular Meetings, Winnipeg, October 1974

Smith, E.R., Heffernan, L.P., **et al.** – "Skeletal Muscle Involvement in Patients with Asymmetric Septal Hypertrophy".
Presented to the Canadian Cardiovascular Society Meetings, Winnipeg, October 1974

Smith, E.R., Heffernan, L.P., **et al.** – "Skeletal Muscle Involvement in Patients with Asymmetric Septal Hypertrophy' £
Presented to the American Heart Association Meeting, Dallas, November 1974

Singer, R.A. – "Leucine Biosynthesis in **Anacystis Nidulaus**".
Presented at the American Society of Microbiology Meeting, New York, April 1974

Tonning, D.J. – "Medicine – Business and Industry".
Presented to Managers of Industrial Development Bank, Halifax, 1974

Freeman, A.N.G., Macdonald, I.A., and Williams, C.N. – " 1 Antitrypsin Deficiency, Cirrhosis and Bile Acid Metabolism".
Presented to the Royal College of Physicians and Surgeons, Montreal, January 1974

Williams, C.N. and Macdonald, I.A. – "Abnormal Billiary Bile Acid Ratios in Liver Disease".
Presented to the Royal College of Physicians and Surgeons, Montreal, January 1974

Johnston, J.L., and Williams, C.N. – "Dietary Findings in Canadian MicMac Indian Females with and without Gallstones".
Presented to the Canadian Dietetic Association, Halifax, June 1974.

Williams, C.N. and Macdonald, I.A., "Effect of Therapy on Bile Acids in pbc".
Presented to the Canadian Society for Clinical Investigation, Montreal, January 1974

Woodbury, J.F.L. – "The Examination of a Patient with Rheumatoid Arthritis"
(videotape). Presented at the PanAmerican Congress of the Rheumatic Disease, June 1974

Woodbury, J.F.L. – "Interrogation of a Patient with Rheumatoid Arthritis"
(videotape). Presented at the PanAmerican Congress of the Rheumatic Diseases, June 1974

Woodbury, J.F.L., Gokul, B. – "Polyarticular Osteoarthritis".
Read by title at the PanAmerican Congress of the Rheumatic Diseases, June 1974

Williams, C.N., Freeman, A.N.G., Macdonald, I.A. and Park-Dinesoy H. Equal reduction of primary bile acid polls in 1-antitryps deficiency cirrhosis.
Clin Res 22: 371A, 1974

Johnston, J., Williams, C.N., Weldon, K.L. and Macdonald, I.A. Relationship of diet to chloresterol gallstone formation in MicMac Indian women.
Can Dietet Assoc 35: 145, 1974

Dietary

1) Hyperlipidemia Diet Booklet became available November 1974.

2) The 1974-75 revision of the diet manual is in progress.

3) The diet booklet, "So You Want To Lose Weight," is being published through hospital facilities.

4) Part I of a two-part book on **Applied Nutrition** written by Ms. R. Mulroney is ready for publishers.

Two tapes were produced with he aid of hospital facilities:

1) orientation of new employees

2) sanitation for food handlers

Two slide tapes were produced:

1) orientation to he dietary department

2) summary of New Brunswick diabetic camp

Department of Microbiology

Title of papers presented at Toronto, June 1974 –
"Preliminary Report on the Recovery of Bacteroides Species from the Human and Hospital Environment". G. Digout.

"Comparative **in vitro** susceptibility of Bacteroides species to 4 antibiotics and their relative therapeutic response **in vivo**". E.V. Haldane.

Title of paper presented in Ottawa, June 1974 –
"Two cases of endocarditis caused by unusual pathogens. 1. **Streptococcus bovis**, and 2. **Paecilomyces** species". E.V. Haldane.

Publications

Streptococcus bovis endocarditis. E.V. Haldane, J.H. Haldane, G. Digout, A. West, and C.E. van Rooyen. C.M.A.J. October 5/74, Vol. III, pp. 668-670.

Prosthetic valvular endocarditis due to the fungus Paecilomyces. E.V. Haldane, J.L. MacDonald, W.O. Gittens, K. Yuce and C.E. van Rooyen, C.M.A.J. Nov. 2/74, Vol. III, pp. 963-968.